

Converting Colors

$Yxy(58.4391, 0.2445, 0.3951)$

Have a look what the booklet for
Yxy(58.4391, 0.2445, 0.3951)
contains.

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Color

Yxy(58.4449, 0.2447, 0.3958)

Conversions

Conversions Part 1

Format	Color
Hex	16E3B5
RGB	22, 227, 181
RGB Percent	9%, 89%, 71%
CMY	0.9151, 0.1098, 0.2902
CMYK	0.90, 0.00, 0.20, 0.11
HSL	167°, 83%, 49%
HSV	167°, 90%, 89%
XYZ	36.1331, 58.4449, 53.0847
YIQ	160.4610, -107.4140, -57.7660

Conversions

Conversions Part 2

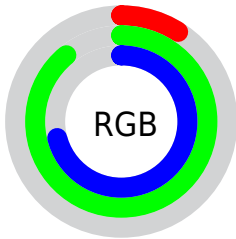
Format	Color
RYB	22, 137, 227
Decimal	1500085
CIELab	80.99, -55.83, 9.81
CIElCh	81, 56.687, 170.038
Yxy	58.4449, 0.2447, 0.3958
Android (android.graphics.Color)	4279690165 (0xFF16E3B5)
YUV	160.4610, 10.1257, -121.4303
Hunter-Lab	76.4493, -49.4198, 12.3448

Details

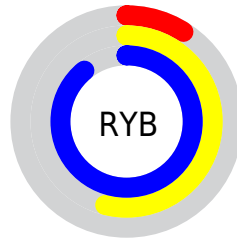
The Yxy color **58.4449, 0.2447, 0.3958** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.3064, 0.5757, 0.3019**, and the grayscale version is **35.3174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1451, 0.2497, 0.3502**, and **30.3080, 0.2473, 0.4102** is the 20% darker color. If you saturate the color by 10%, you get **58.0850, 0.2455, 0.4036**, and if you desaturate by 10%, it is **59.0364, 0.2455, 0.3875**.

Distribution



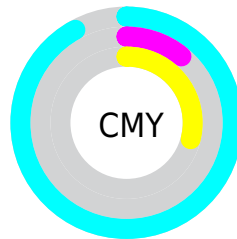
- Red (9%)
- Green (89%)
- Blue (71%)



- Red (9%)
- Yellow (54%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)





- Cyan (92%)
- Magenta (11%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4449, 0.2447, 0.3958 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 58.4449, 0.2447, 0.3958 by changing the saturation by 10% instead.


 58.4449, 0.2447,
0.3958


 58.4449, 0.2447,
0.3958


418.8417, 0.2778,
0.3625

 42.1664, 0.2368,
0.4041


 102.5705, 0.2565,
0.3837


 29.2316, 0.2268,
0.4146


 131.1863, 0.2610,
0.3792

 19.2561, 0.2138,
0.4286


 164.6834, 0.2648,
0.3753

 11.8555, 0.1964,
0.4479

 203.4462, 0.2681,
0.3720

 6.6454, 0.1719,
0.4761

 247.8590, 0.2710,
0.3692

 3.2413, 0.1358,
0.5207

298.3063, 0.2735,

 1.2590, 0.0000,

0.3667

0.6635

355.1724, 0.2758,
0.3644

■ 0.1091, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4449, 0.2447,
0.3958

■ 58.4449, 0.2447,
0.3958

■ 58.0850, 0.2455,
0.4036

■ 59.0364, 0.2455,
0.3875

■ 59.9085, 0.2482,
0.3792

■ 61.1028, 0.2529,
0.3709

■ 62.6520, 0.2595,
0.3629

■ 64.5850, 0.2677,
0.3552

■ 66.9276, 0.2774,
0.3479

■ 69.7033, 0.2882,
0.3411

■ 72.9339, 0.2999,
0.3349

■ 76.6396, 0.3121,
0.3293

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.4449, 0.3101, 0.4535



58.4449, 0.2447, 0.3958



58.4449, 0.2008, 0.3179

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.4449, 0.2447, 0.3958



58.4449, 0.2376, 0.2181



58.4449, 0.4586, 0.3756

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58.4449, 0.2447, 0.3958



17.3064, 0.5757, 0.3019

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.4449, 0.4374, 0.3212



58.4449, 0.2447, 0.3958



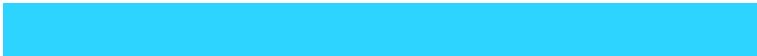
58.4449, 0.3012, 0.2356

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.4449, 0.2447, 0.3958



58.4449, 0.1980, 0.2237



58.4449, 0.3766, 0.2720



58.4449, 0.4353, 0.4272

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.4449, 0.2447, 0.3958



58.4449, 0.1873, 0.2738



58.4449, 0.3766, 0.2720



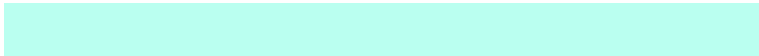
58.4449, 0.4567, 0.3573

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



58.4472, 0.2447, 0.3958



88.2437, 0.2809, 0.3456



56.2873, 0.3123, 0.5838



18.6365, 0.2773, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.4472, 0.2447, 0.3958



75.5904, 0.2456, 0.4042



35.3123, 0.2038, 0.2482



16.2782, 0.3011, 0.3343



33.8895, 0.2451, 0.4024



2.5179, 0.2418, 0.3903

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.3064, 0.5757, 0.3019



21.5569, 0.6051, 0.3107



21.6146, 0.5822, 0.3654



14.4206, 0.3257, 0.3238



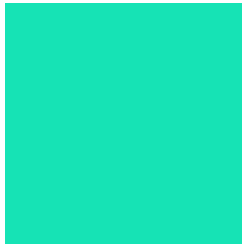
9.6775, 0.6002, 0.3080



0.7290, 0.5595, 0.2856

Previews

White Background



This preview shows how the Yxy color 58.4449, 0.2447, 0.3958 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 58.4449, 0.2447, 0.3958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

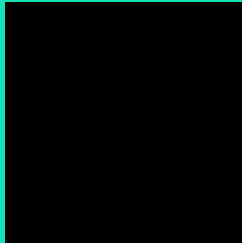
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

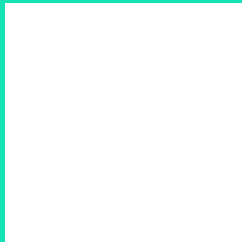
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.4449, 0.2447, 0.3958

Background



This preview shows how black text looks on a background with the Yxy color 58.4449, 0.2447, 0.3958.

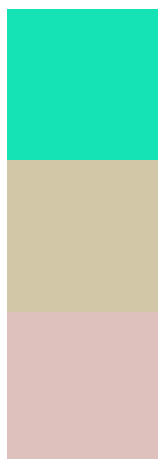


This preview shows how white text looks on a background with the Yxy color 58.4449, 0.2447, 0.3958.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

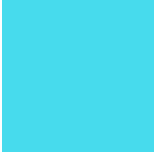
58.4449, 0.2447, 0.3958

Protanopia

57.3385, 0.3458, 0.3673

Deuteranopia

56.9030, 0.3399, 0.3325



Tritanopia

58.1171, 0.2270, 0.3052

Trichromacy



Original Color

58.4449, 0.2447, 0.3958



Protanomaly

54.3303, 0.2894, 0.3798



Deuteranomaly

53.5974, 0.2850, 0.3544



Tritanomaly

58.0092, 0.2321, 0.3356

Monochromacy



Original Color

58.4449, 0.2447, 0.3958



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

40.4231, 0.2681, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4449, 0.2447, 0.3958 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(22, 227, 181)` looks like.

```
.text, #text, p{  
    color:rgb(22, 227, 181)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(22, 227, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 227, 181) }
```

Border

The CSS property to change the border of an element to Yxy 58.4449, 0.2447, 0.3958 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(22, 227, 181) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(22, 227, 181) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(22, 227, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 227, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 227, 181);  
box-shadow:4px 4px 4px 4px rgb(22, 227,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4449, 0.2447, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 227, 181) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(22, 227,  
181) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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